NT BOOK

ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

JOBCODE: 009-18-000004

First & Final Bill

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357519

Est. 25.00 lakhs

P1878, 18%

Serial No. .....
Name of Work ..... Improvements to roads and drains at Thindlu colony in ward no: 19 Vidyaranapura. From ..... To ..... Executive Engineer. KRIDL, Blore.
Name of Contractor or nature of Agency ..... BBMP/EE/BTP/WO/32/2017-18, Dt: 20.12.2017.
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	(1) Earth work excavation by manual means in ordinary soil involving an average horizontal through upto 2m and an average lift upto 0.5m excavated surface leveled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clods etc, complete as per specification and direction of the Engineer in charge of work.						
	∴ The total Qty is recorded in Premeasurement in this MB, Vide Page No 357576 to 357576/2 as 276.71 cu.m.						
	∴ This Qty is limited to as per Schedule 'B' Qty as 252.00 cu.m @ rate Rs 199.36 / cu.m 50239-						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(2)	Construction of Embankment with material Gravel Mooorum Construction of Embankment with approved material Gravel/ Mooorum with all lifts and leads transporting to site, spreading grading to required slope and compacting to meet requirement Table 300-2 complete as per specification (including cost of gravel, watering charges and compaction by Vibratory roller to 95% of proctors density) MORTH Specification NO: 305. This Qty is recorded in pre-measurements in This MB, Vide page NO: 357576/2 to 357577 as 30.75 Cu.m ∴ This Qty is limited to as per schedule 'B' Qty as 3000 m³ @ Rate Rs 320.12/Cu.m						9604-

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ...
Date of commencement of work .....

Date	Full description, etc, of work
1	2
3)	Construction of gra stone aggregates of mix plant at OMC, cas layer with motor grader power roller to achieve the method — For Grading — II This Qty is page no: 357577 to ∴ This Qty is

9-18-04

NT BOOK

mensions			Contents	Reference to last Measurement
n	Breadth 5	Depth 6	7	8
			with material Gravel Measurm	
			with approved material Gravel/	
			transporting to site, spreading	
			d completing to meet requirement	
			pecification (including cost of gravel,	
			oon by Vibratory roller to 95% of	
			ification NO: 305.	
			re-measurements in This MB, Vide	
			as 30.75 Cu.m	
			o as per Schedule 'B' Qty as 30.00 m³	
				9604-

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357520

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	3) Construction of granular sub base by providing close graded crushed stone aggregates of granite/trap/Basalt material mixing in a mechanical mix plant at OMC, carriage of mixed material to work site spreading in uniform layer with motor grader on prepared surface and completing with Vibratory power roller to achieve the desired density complete as per specification strong plant mix method — For Grading — II material.						
	This Qty is Recorded in pre-measurements in This MB, Vide page no: 357577 to 78½ as 30.15 Cu.m						
	∴ This Qty is limited to as per Schedule 'B' Qty as 30.00 Cu.m @ Rate Rs 1665.26/Cu.m						49958-

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
④	Providing and laying position plain cement concrete of mix 1:4:8 with opc cement @ 180 kgs with 40 mm and down size graded granite metals coarse aggregates @ 0.85 cum and fine aggregates @ 0.578 m^3 Machine mixed concrete laid in layers not exceeding 15 cms Thick Well compacted in foundation including cost of all materials labour Hom of machinery curing complete as per specification This Qty is Recorded in pre measurements in this MB. Vide page no: 357578 to 78½ as 94.99 cu.m ∴ This Qty is limited to as per schedule 'b' Qty as 94.50 m^3 @ Rate Rs 5159.02/ cu.m.						487527

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
5)	Providing and remov ete, and removal of to any Thickness, includi string courses cost of a This Qty is re Vide page no: 357578/ ∴ This Qty is lo @ Rate Rs 310	

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
ement concrete of mix 1:4:8 with down size graded granite metals fine aggregates @ 0.578 m³ ers not exceeding 15cms Thick g cost of all materials labour as per specification			
pre measurements in This MB. 8/2 as 94.99 cu.m			
as per schedule 'b' Qty as 94.50 m³			487527
m.			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

357521

Serial No. ..... From ..... To .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
5)	Providing and removing centering shuttering stopping popping ete, and removal of formwork for Vertical surface such as walls al- any Thickness, including attached pilasters buttresses plinth cills and string courses cost of all materials labour complete as per specifications.						
	This Qty is recorded in pre measurements in This MB. Vide page no: 357578/2 to 357579 as 545.00 sq.mt						
	∴ This Qty is limited to as per Schedule 'B' Qty as 540.00 m² @ Rate Rs 310.58 / sq.mt.						167713

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(6)	Providing and laying Cement concrete down size granite coarse aggregate and fine aggregate of ready mixed concrete (RMC) M20 for RCC works laid in 15 cms Thick layers and well compacted Vibrating curing for raft foundation column footing main and secondary beams with all lead and lift etc, complete (exclusive of cost of steel and fabrication charges).					Using 20.0mm and	
	This Qty is recorded in Premeasurements in this MB, Vide page no: 357 579½ to 80 as 63.46 cu.m						
	∴ This Qty is limited to as per schedule 'B' Qty as 63.00 cu.m @ Rate Rs 6231.74/cu.m						392600

Serial No. .....

Name of Work ..... Fr

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
7)	Providing TMT steel ... straightening cutting and/or welding wherev... anchoring to the adjoining ... design (laps hooks and ... cost of materials labour ... This Qty is ... Vide page no: 375 ...	

OOK

	Depth 6	Contents 7	Reference to last Measurement 8
		nerete Using ø20.0mm and	
		ate and fine aggregate of	
		- RCC Works laid in 15 cms	
		setting - Curing for raft	
		Secondary beams with all lead	
		- cost of steel and	
		re measurements in this MB,	
		6 Cu.m	
		as per schedule 'B' Qty as	
		0.74/Cu.m	392600

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357522

Serial No. ..... From ..... To .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	7) Providing TMT Steel reinforcement for RCC work including straightening cutting bending hooking, placing in positions, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps hooks and wastages shall not be measured and paid) cost of materials labour ht & M of Machinery complete as per Specification						
	This Qty is recorded in Pre measurement in this MB, Vide page no: 375 80 to 80/2 as 5.60 tonnes @ Rate Rs 64243.42/ton						359763

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(8) Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation loading, unloading etc, complete as per the direction of the Engineer in charge of the work						
	a) Kuntee Road	6 X 1	30.0	0.60	—	108.00	Sq.mt
	b) Thindlu village Cls Road	5 X 1	30.0	0.60	—	90.00	"
		1 X 1	16.0	0.60	—	16.00	"
					Total	= 207.32	
					@ 1820.56		377511-
	(9) Cement concrete pavement construction of Un-reinforced plain cement concrete pavement Thickness as per design over a prepared sub base with OPC cement or any other types as per clause 1051.2 design mix M20/M30 with 25 mm and down size granite metal coarse aggregates and fine aggregates with super plaster @ 3 lts confirming to IS 9103 -1999 Reaffirmed - 2008 mixed in a concrete mixer of not less than 0.6 m³ capacity and appropriate weight batcher as per approved ..						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	mix design. laid in and fixing 125 micron the from work as per d Compacted using mec operation including and longitudinal joi separation mem bo approved curing com Complete as per & pr
	For Road (From Kuntee ro to connecting road)

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth	Breadth 5	Depth 6	7	8
100 mm Thick including cost				
ng, transportation loading,				
er the direction of the Engineer in				
0	0.60	—	108.00	Sq.mt
.0	0.60	—	90.00	—"—
[illegible]	[illegible]	—	16.00	—"—
.0	0.60		Total: ≃ 207.36	Sq.m 377511
			@ 1820.56	
struction of Un reinforced plain cem				
s per design over a prepared sub base				
types as per Clause 1051.22 design mix				
size granite metal coarse aggregate				
plaster @ 3 lts Confirming to IS 9103				
d in a concrete mixer of not less than				
ate Weigh batcher as per approved				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357523

Serial No. ..... From ..... To .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	mix design. laid in approved fixed side form work (Steel Channel, laying and fixing 125 micron thick polythene film wedges steel plates including levelling the form work as per drawing) spreading the concrete with shovels rakers Compacted using needle, screed and plate Vibrator and finished in a continuous operation including provision of contraction & expansion construction and longitudinal joints including groove cutting charges joint filler separation membrane sealant primer joint sealant admixtures as approved curing compound finishing to lines and grades as per drawing Complete as per specification.						
	For Road (From Kuntee road to connecting road)	1X1	30.0	5.85	0.10	17.55	Cu.m
		1X1	30.0	5.75	0.10	17.25	—"—

C&FC 21/02

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	34.80	
1	2	3	4	5	6	7	8
	at Ashwathnagara Katte	1×1	15.0	6.25	0.10	9.38	m³
		1×1	3.40	2.80	0.10	0.95	-11-
		1×1	15.50	5.85	0.125	11.33	-11-
					Total :	56.46	m³ 309871
					@	5508.82	
(10)	Vaccum-De-watering with Vacum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator HM of machinery screed Vibrating power floater, blade and disc etc, with all lead and lift						
	From Kuntee Road to connecting Rd (GKVK)	1×1	30.0	5.85	-	180.00	m²
		1×1	30.0	5.75	-	165.00	-11-

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

8/2/2018

Serial No. .....
Name of Work ..... Fr
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numb
1	2	3
		1×1
		1×1
		1×1

8/2/2018

Certificate :-

1) The c

2) The co
work

T BOOK

Dimensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	34.80 7	8
6.25	0.10	9.38	m³
2.80	0.10	0.95	-11-
5.85	0.125	11.33	-11-
	Total:	56.46	m³ 309871-

@ 5508.82-

...wm pump and suction
... flanter clubbed with floating
...tor HP of Machinery screed
... disc etc, with all leads at lit
0 5.85 - 180.00 m²
0 5.75 - 165.00 -11-

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357524

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1×1	15.0	6.25	-	105.00	R.mt
		1×1	3.4	2.80	-	9.52	-11-
		1×1	15.50	5.85		93.00	-11-
					Total:	500.00	R.mt
					Limit: 450-		42930-00
					@ 95.40		

Certificate :-

1) The contractor has done the work satisfactorily.
2) The contractor has removed the debris from the work spot.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		ABSTRACT					
Sl No	Items	Unit	MB. Pages From	To	Qty	Rate	Amount in ₹
1)	Excavation for road	m^3	357/19	—	252.0	199.36	50239 — 50240=00
2)	Construction of Embankment with Gravel	m^3	357/19½	—	30.0	320.12	9604=00
3)	GSB	m^3	357/20	—	30.0	1665.26	49958.00
4)	PCC 1:4:8	m^3	357/20½		94.50	5159.02	487527.00
5)	Centering	m^2	357/21		540.0	310.58	167713=00
6)	RMC (M_{20}) 20 mm down size	m^3	357/21½		63.00	6231.74	392600=00

M. A
M

Serial No. .....
Name of Work ..... Fro
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Numbe
1	2	3
7)	TMT of steel	Tonne
8)	Precast slab	Nos/
9)	RMC (M_{20}) 25 mm down size.	m^3
10)	Floater	m^2

2247716 -
224772
22477 -
4 Today: 249

NT BOOK

ensions			Contents	Reference to last Measurement
	Breadth 5	Depth 6	7	8
B Pages To		Qty	Rate	Amount in ₹
19 —		252.0	199.36	50239 — 50240=00
19/2 —		30.0	320.12	9604=00
		30.0	1665.26	49958.00
520 —		94.50	5159.02	487527.00
520/2		540.0	310.58	167713=00
521		63.00	6231.74	392600=00
521/2 —				

M. A. R. 57 (Rule 116)
Measurement Book

No. B 357525

Serial No. ..... From ..... To .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	7) TMT Steel	Tonnes	357522	—	5.60	64243.42	359764=00 377511 — 376856=00
	8) Precast slab	Nos/Sq.m	357522/2	—	207.36	1820.56	
	9) Rmc (M20) 25 mm down size.	m^3	357522/2	357523	56.25	5508.82	309871=00
	10) Floater	m^2	357523/2	357524.	450.0	95.40.	42930=00 224771 — 224772 — 224771 —
						Total:	22,47065=00 224772 — 22,24107=00 22412=00
	4 Total: 2494965 —				10% Add: KRIDL charges. Add 1% Labour charges		Grand Total = 2494242=00 //

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

Certificate: (Rupees Twenty four lakhs Ninty four thousand two hundred Fourty two only)

1) The contractor has remove the debris from the work

2) The contractor has done the work satisfactorily.

AE. 8/2/2018

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

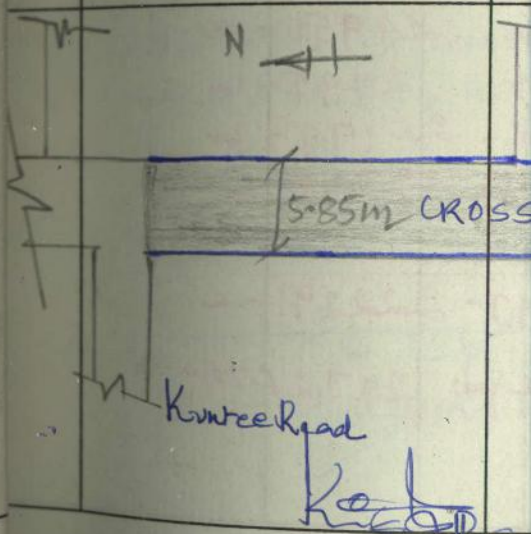
Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	N
1	2	



BOOK

ons		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
N Sinty	four thousand two hundred Fourty two only)		
move	the debris from the work		
ne	the work satisfactorily.		

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

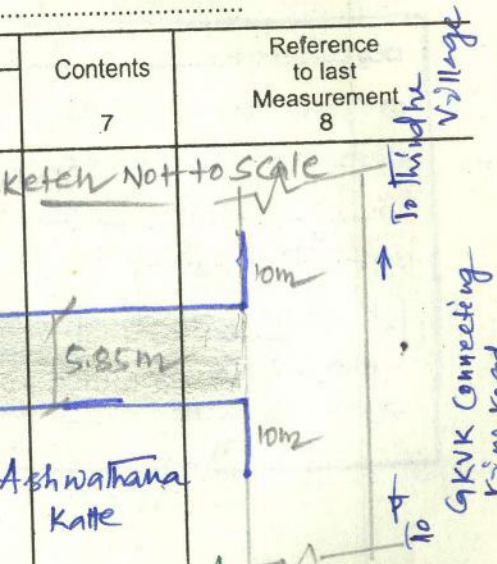
M. A. R. 57 (Rule 116)
Measurement Book

No. B 357526

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	N						
	5.85m CROSS Road.			6.25m		5.85m	
	L = 93.90m						
	Kuvree Road						
8.2.2018.							

* Sketch Not to scale



AE

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total Rs: 2494965-00	
						IT- 49899-00	
						CM. 24950-00	
						CBF- 2495-00	
						LR- 20199-00	
						FSD-124748-00	
						Adj- 222291-00	
						Cheque: 2272674-	

ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 2494965-00

ಗಡಿ ಪಾಪ್ತು ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ. 222291-00

ಕೊಂಡಾಡಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು ರೂ. 2272674-00

Rs. Twenty two Lakh Seventy two Thousand Six hundred Seventy four only.

ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ. ಬೆ. ಮ. ಪಾ

ಸಾ ಪಾ ಇ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬೃ ಬ ಮ ಪಾ

21/02

I st & Final Bill

Head of A/c : Pl

Serial No. .....

Name of Work ..... Improvements to roads an... From

Name of Contractor of nature of Agency ... Execu...

Date of commencement of work ... BBMP/EE...

Date	Full description, etc, of work	Number
1	2	3
1)	Earth work Excavation Recorded in This M B, Vi...	
	∴ This Qty is Record Vide page no: 35758	
	∴ This Qty is h... @ Rate Rs 199...	